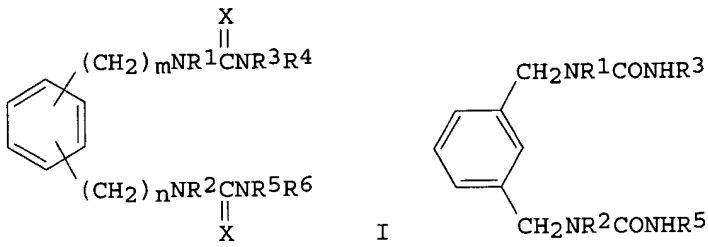
09/555,575



I

II

AB Title compds. I [R1, R2 = alkyl, (alkyl-substituted) cycloalkyl; R3-R6 = H, alkyl, cycloalkyl, aralkyl, pyridyl, Ph; X = O, S; m, n = 1-6] are prepd. I are useful for controlling accumulation of cholesterol ester on the smooth muscle of arterial walls. Treatment of N,N'-dicycloheptyl-m-xylenediamine (prepn. given) with 2,4-difluorophenylisocyanate in hexane gave II (R1 = R2 = cycloheptyl, R3 = R5 = 2,4-F2C6H3). The latter showed an IC50 of 1.8 .times. 10-8 M against ACAT.

ACCESSION NUMBER: 1990:55271 CAPLUS
DOCUMENT NUMBER: 112:55271
TITLE: Bis(ureidoalkyl)benzenes for inhibition of acylcoenzyme A cholesterol acyltransferase (ACAT)
INVENTOR(S): Ito, Noriki; Yasunaga, Tomoyuki; Iizumi, Yuichi; Araki, Tomio
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 46 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 325397	A1	19890726	EP 1989-300380	19890117
EP 325397	B1	19930818		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CN 1034538	A	19890809	CN 1989-100286	19890114
CN 1021819	B	19930818		
AT 93230	E	19930915	AT 1989-300380	19890117
ES 2059714	T3	19941116	ES 1989-300380	19890117
HU 50116	A2	19891228	HU 1989-211	19890118
HU 207843	B	19930628		
DK 8900222	A	19890721	DK 1989-222	19890119
JP 02117651	A2	19900502	JP 1989-11717	19890119
AU 8928669	A1	19891005	AU 1989-28669	19890120
AU 627439	B2	19920827		
US 5091419	A	19920225	US 1990-593516	19901002
US 5166429	A	19921124	US 1991-764617	19910924
US 5227492	A	19930713	US 1992-906735	19920630
US 5384425	A	19950124	US 1993-64850	19931007

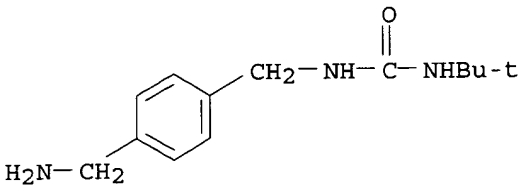
PRIORITY APPLN. INFO.:
JP 1988-10098 19880120
JP 1988-180119 19880719
US 1989-296443 19890111
EP 1989-300380 19890117
US 1990-592604 19901004
US 1991-764604 19910924
US 1991-764617 19910924
US 1992-906735 19920630

OTHER SOURCE(S): MARPAT 112:55271
IT **124885-17-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of acyl CoA cholesterol acyl-transferase inhibitors)

RN 124885-17-2 CAPLUS

CN Urea, N-[[4-(aminomethyl)phenyl]methyl]-N'-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



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09/555,575

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NEWS 3	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 4	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6	Mar 08	Gene Names now available in BIOSIS
NEWS 7	Mar 22	TOXLIT no longer available
NEWS 8	Mar 22	TRCTHERMO no longer available
NEWS 9	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12	Apr 08	"Ask CAS" for self-help around the clock
NEWS 13	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14	Apr 09	ZDB will be removed from STN
NEWS 15	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 18	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 19	Jun 03	New e-mail delivery for search results now available
NEWS 20	Jun 10	MEDLINE Reload
NEWS 21	Jun 10	PCTFULL has been reloaded

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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FILE 'HOME' ENTERED AT 15:45:05 ON 01 JUL 2002

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:45:10 ON 01 JUL 2002
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STRUCTURE FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6
DICTIONARY FILE UPDATES: 30 JUN 2002 HIGHEST RN 435268-39-6

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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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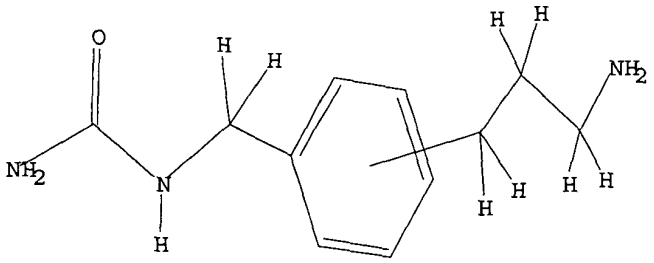
Uploading 09555575.str

L1 STRUCTURE UPLOADED

=> d query
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 15:45:30 FILE 'REGISTRY'
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73.6% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 24969 TO 29391
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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L3 STRUCTURE UPLOADED

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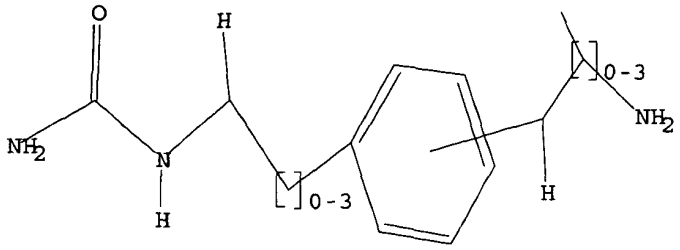
L3 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 15:48:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3384 TO ITERATE

29.6% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 64193 TO 71167
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s l3 full
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FULL SCREEN SEARCH COMPLETED - 67841 TO ITERATE

100.0% PROCESSED 67841 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.05

L5 7 SEA SSS FUL L3

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 142.56 142.77

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FILE COVERS 1907 - 1 Jul 2002 VOL 137 ISS 1
FILE LAST UPDATED: 30 Jun 2002 (20020630/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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L6            5 L5

=> d l6 1-5 abs ibib hitstr
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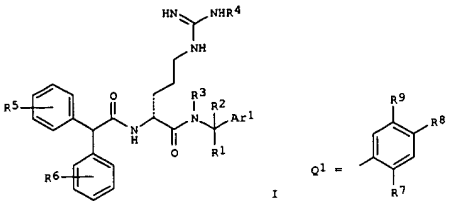
L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
GI



I

AB Pharmaceutically useful title compds. I [Ar1 = Q1, 1-naphthyl, 2-naphthyl (un)substituted by OH, halo, C1-7 alkoxy; R1 = CONH2, C1-4 alkyl optionally substituted or terminated by one or more OH or amino groups; R1R7 = C2-3 alkylene; R4 = H, C1-7 alkyl, C1-4 alkyl-Ph wherein the Ph group may be substituted by one or more OH or C1-4 alkoxy groups; R5, R6 = independently H, OH, C1-4 alkyl, C1-4 alkoxy, halo; R7 = H, OH; R8 =H, halo, OH, C1-7 alkoxy, Ph, PhO, PhCH2O, (CH2)nCONR10R11, (CH2)nNHCONR10R11, O(CH2)nCO2R10; R9 = H, halo, OH, C1-7 alkoxy; R2, R3, R10, R11 = independently H, C1-7 alkyl; n = 1-4] and pharmaceutically acceptable derivs. thereof, are provided which are useful as antagonists of neuropeptide Y and in particular in the treatment of cardiovascular diseases, for example vasoconstriction. Thus, amidation of Boc-D-Orn(Cbz)-OH with (R)-4-methoxy-.alpha.-methylbenzylamine, followed by acidic N.alpha. deprotection, amidation with o-nitrophenyl diphenylacetate (prepn. given), hydrogenolysis, guanylation with N,N'-bis(benzyloxycarbonyl)-S-methylisothiourea and final hydrogenolysis gave desired title compd. I [R1 = (R)-Me; R2 = R3 = R4 = R5 = H; Ar1 = C6H4OMe-4]. All prepd. compds. I exhibit IC50 values of less than 5.0 .mu.M in a neuropeptide Y1 receptor assay.

ACCESSION NUMBER: 1999:222912 CAPLUS
DOCUMENT NUMBER: 130:252673
TITLE: Preparation of diphenylacetylarginine amide derivatives as new neuropeptide Y antagonists
INVENTOR(S): Bergman, Nils-Ake; D'Ambra, Thomas; Pilling, Garry
PATENT ASSIGNEE(S): Astra Aktiebolag, Swed.
SOURCE: PCT Int. Appl., 140 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9915498	A1	19990401	WO 1998-SE1686	19980921

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)

KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

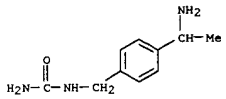
ZA 9808353	A	19990323	ZA 1998-8353	19980911
CA 2303528	AA	19990401	CA 1998-2303528	19980921
AU 9892889	A1	19990412	AU 1998-92889	19980921
EP 1017672	A1	20000712	EP 1998-945708	19980921

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

BR 9812492	A	20000926	BR 1998-12492	19980921
JP 2001517651	T2	20011009	JP 2000-512808	19980921
US 6127414	A	20001003	US 1998-171779	19981026
NO 2000001483	A	20000523	NO 2000-1483	20000322

PRIORITY APPLN. INFO.: SE 1997-3414 A 19970923
WO 1998-SE1686 W 19980921

OTHER SOURCE(S): MARPAT 130:252673
IT **221670-77-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of diphenylacetylarginine amide derivs. as new neuropeptide Y antagonists)
RN 221670-77-5 CAPLUS
CN Urea, [[4-(1-aminoethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
AB Title compds. T-Z-CONHCH(CH2B)CO-Y-(CH2)nR [I; T = (un)substituted Ph, naphthyl, heteroarom., N, O, S, or T1TC2U; T1, T2 = (un)substituted Ph; U = H, alkoxy, OPh; Z = bond, O, NH, CH2, CH2CH2, CH2O, CH2NH; B = amidine-contg. group; Y = O, NR1; R1 = H, (un)substituted alkyl, CH2Ph; n = 1-3; R = (un)substituted Ph], neuropeptide Y antagonists, were prepd. Thus, (R)-R2NHC(:NH)NH(CH2)3CH(NHR3)CONHR4 [II; R2 = 2,2,5,7,8-pentamethylchroman-6-sulfonyl (Pmc); R3, = Fmoc; R4 = CH2C6H4CH2NHCO2CH2Ph-4] was prepd. from Fmoc-D-Arg(Pmc)OH and 4-PhCH2O2CNHCH2C6H4CH2CONH2, Fmoc-deprotected, and diphenylacetylated, to give II (R2 = Pmc; R3 = COCHPh2; R4 = CH2C6H4CH2NH2-4), which was N-acetylated and deprotected to give II-trifluoroacetate (R2 = H; R3 = COCHPh2; R4 = CH2C6H4CH2NHAc-4).

I showed activity as neuropeptide Y antagonists in both in vitro (at 10-8 to 10-5 M) and in vivo tests (at 0.001 to 10 mg/kg).

ACCESSION NUMBER: 1997:473595 CAPLUS
DOCUMENT NUMBER: 127:81788
TITLE: Preparation of amino acid derivatives as neuropeptide Y antagonists
INVENTOR(S): Engel, Wolfhard; Eberlein, Wolfgang; Rudolf, Klaus; Doods, Henri; Wieland, Heike-Andrea; Willim, Klaus-Dieter; Entzeroth, Michael; Wienen, Wolfgang
PATENT ASSIGNEE(S): Dr. Karl Thomae Gmbh, Germany
SOURCE: Ger. Offen., 117 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19544687	A1	19970605	DE 1995-19544687	19951130
WO 9719911	A1	19970605	WO 1996-EP5222	19961126

W: CA, JP, MX, US
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

EP 885186	A1	19981223	EP 1996-941032	19961126

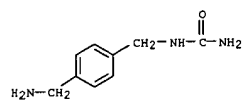
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

JP 2000501390	T2	20000208	JP 1997-520166	19961126
US 6114390	A	20000905	US 1997-950113	19971014

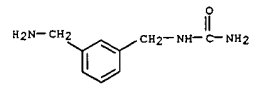
PRIORITY APPLN. INFO.: DE 1995-19544687 A 19951130
WO 1996-EP5222 W 19961126
US 1998-945048 A 19980210

OTHER SOURCE(S): MARPAT 127:81788
IT **191868-11-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)
RN 191868-11-8 CAPLUS
CN Urea, [[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)



IT **191868-28-7P 191871-78-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)
RN 191868-28-7 CAPLUS
CN Urea, [[3-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 191871-78-0 CAPLUS
CN Urea, [2-[4-(aminomethyl)phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

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CRN 191871-77-9
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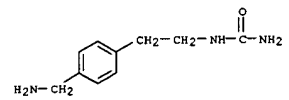


CM 2

CRN 76-05-1
CMF C2 H F3 O2

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

AB Amino acid derivs. R(CH2)nXCONHCH[C6H4NHC(:NR1)NR2R3]COY(CH2)mC6H4R4 [R = (un)substituted Ph, 1- or 2-naphthyl, heterocyclyl; n = 0, 1, 2; X = single bond, O, NH; R1 = H, (un)substituted alkyl or cycloalkyl, etc.; R2 = H, alkyl, (un)substituted phenyl; R3 = H, alkyl; Y = O, NH, alkyl- or benzylimino; m = 1, 2; R4 = H, halo, cyano, alkyl, etc.] were prepd. for use as drugs, esp. as selective neuropeptide Y (NPY) antagonists. Thus, (R,S)-3-(aminoiminomethylamino)-.alpha.-[(diphenylacetyl)amino]-N-[(4-hydroxyphenyl)methyl]-benzeneacetamide hydrochloride by a multistep procedure starting from .alpha.-amino-3-nitrobenzeneacetic acid, diphenylacetyl chloride, 4-hydroxybenzylamine, and cyanamide. The claimed compds. show in vitro NPY antagonist activity at a dosage of 0.001-10 mg/kg.

ACCESSION NUMBER: 1997:473593 CAPLUS
DOCUMENT NUMBER: 127:95607
TITLE: Preparation of amino acid derivatives as drugs
INVENTOR(S): Engel, Wolfhard; Eberlein, Wolfgang; Rudolf, Klaus; Doods, Henri; Wieland, Heike-Andrea; Willim, Klaus-Dieter
PATENT ASSIGNEE(S): Dr. Karl Thomae Gmbh, Germany
SOURCE: Ger. Offen., 50 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

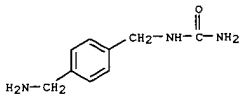
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19544685	A1	19970605	DE 1995-19544685	19951130
CA 2235937	AA	19970605	CA 1996-2235937	19961126
WO 9719913	A1	19970605	WO 1996-EP5217	19961126
W: CA, JP, MX, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 865425	A1	19980923	EP 1996-940649	19961126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000501090	T2	20000202	JP 1997-520164	19961126
US 5962530	A	19991005	US 1998-77629	19980529

PRIORITY APPLN. INFO.: DE 1995-19544685 19951130
WO 1996-EP5217 19961126

OTHER SOURCE(S): MARPAT 127:95607

IT **191868-11-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of amino acid derivs. as neuropeptide Y antagonists)

RN 191868-11-8 CAPLUS
CN Urea, [[4-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

GI

III

AB The invention provides haptens H2NC(O)NHCH(M)(Z1) (M = allyl, (R)-.alpha.-Pr; Z1 = Q), as well as a carrier-hapten complex comprising a carrier and III (M as above; X = spacer). The amt. of human leukocyte elastase-inhibitor complex formed by administration of a beta-lactam inhibitor is detd. by dissocg. the complex to yield the hapten. N-substituted azetidinones are a class of inhibitors of human leukocyte elastase known to be useful in the treatment of inflammatory and degenerative diseases. In inhibiting elastase, the therapeutic agents are shown to form a characteristic stable complex with the enzyme. In the assays disclosed in the invention, the inhibitor-enzyme complex is hydrolyzed, and specific product(s) of the hydrolysis are measured. The assays are useful in a clin. setting for detg. appropriate dosage and assessing the effectiveness of treatment. Prepn. of compds. of the invention is included.

ACCESSION NUMBER: 1995:518932 CAPLUS
DOCUMENT NUMBER: 122:256392
TITLE: Urea derivative haptens, and assay for evaluating inhibition of polymorphonuclear leukocyte elastase by N-substituted azetidinones
INVENTOR(S): Finke, Paul E.; Hagmann, William K.; Hanlon, William A.; Humes, John L.; Knight, Wilson B.; Maccoss, Malcolm; Mumford, Richard A.; Shah, Shrenik K.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Brit. UK Pat. Appl., 60 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2280673	A1	19950208	GB 1994-14742	19940721
US 5420010	A	19950530	US 1993-100532	19930730

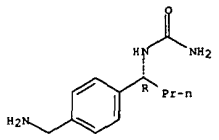
PRIORITY APPLN. INFO.: US 1993-100532 19930730
OTHER SOURCE(S): MARPAT 122:256392

IT **162653-90-9**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(urea deriv. haptens, their prepn., and assay for evaluating inhibition of polymorphonuclear leukocyte elastase by azetidinone derivs.)

RN 162653-90-9 CAPLUS
CN Urea, [1-[4-(aminomethyl)phenyl]butyl]-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS (Continued)



L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

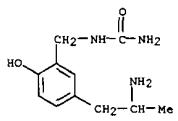
AB Me 5-(2-aminoethyl)salicylate-HCl in EtOH was treated with NaOH and BzH, and NaBH4 added to give Me 5-[2-(benzylamino)ethyl]salicylate (I)-HCl. I was reduced with LiAlH4 in THF to give, after addn. of HOAc, 5-[2-(benzylamino)ethyl]saligenin acetate. Among 16 examples of the title derivs. were [5-(2-aminoethyl)-2-hydroxyphenyl]urea-HCl, N-[5-(2-aminopropyl)salicyl]methanesulfonamide, and 5'-[2-[[3-(p-methoxyphenyl)-1-methylpropyl]amino]ethyl]-2'-hydroxyformanilide.

ACCESSION NUMBER: 1971:435408 CAPLUS
DOCUMENT NUMBER: 75:35408
TITLE: Hypotensive phenethylamine derivatives
INVENTOR(S): Jack, David; Hartley, David; Lunts, Lawrence H. C.
PATENT ASSIGNEE(S): Allen and Hanburys Ltd.
SOURCE: S. African, 31 pp.
CODEN: SFXXAB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 7003451	A	19710127	ZA 1970-3451	19700521
GB 1263987	A	19720216	GB 1969-27407	19690530
CA 960690	A1	19750107	CA 1970-83555	19700521
US 3689524	A	19720905	US 1970-41053	19700527
SE 372934	B	19750120	SE 1970-7377	19700528
BE 751190	A	19701130	BE 1970-751190	19700529
NL 7007861	A	19701202	NL 1970-7861	19700529
FR 2051566	A1	19710409	FR 1970-19818	19700529
FR 2051566	A5	19710409		
CH 536815	A	19730629	CH 1970-8021	19700529
DK 130921	B	19750505	DK 1970-2776	19700529
JP 53030701	B4	19780829	JP 1970-46846	19700530
US 3803230	A	19740409	US 1972-254808	19720518
JP 54007782	B4	19790410	JP 1978-9193	19780130

PRIORITY APPLN. INFO.: GB 1969-27407 19690530
US 1970-41053 19700527

IT **32550-87-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 32550-87-1 CAPLUS
CN Urea, [5-(2-aminopropyl)salicyl]- (8CI) (CA INDEX NAME)



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CA SUBSCRIBER PRICE                                        -3.10      -3.10

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DICTIONARY FILE UPDATES:  30 JUN 2002  HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L7              STR
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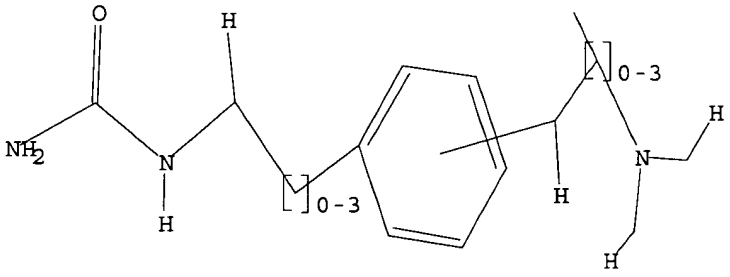


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INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
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                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         24164 TO    28516
PROJECTED ANSWERS:                0 TO        0

L8             0 SEA SSS SAM L7

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L7 HAS NO ANSWERS
'FULL ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains
          data.  (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains
          data.
SDA ----- All Structure DAta (image, attributes, connection table and
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NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:nos
L7               STR


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FULL ESTIMATED COST                                 140.28     307.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                   0.00      -3.10

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FILE COVERS 1907 - 1 Jul 2002  VOL 137 ISS 1
FILE LAST UPDATED: 30 Jun 2002  (20020630/ED)
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This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> s l9
L10             3 L9

=> d l10 1-3 abs ibib hitstr
```

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

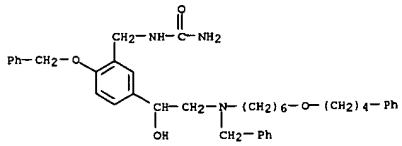
AB QCH(OH)CH2NHCR1R2XCH2OCH2YAr [I; Ar = (un)substituted Ph; R1, R2 = H, C1-3 alkyl; X = bond, C1-7 alkylene, C2-7 alkenylene, alkynylene; Y = bond, C1-6 alkylene, C2-6 alkylene, alkynylene; Q = 3-substituted 4-HOC6H4, 5-hydroxy-6-(hydroxymethyl)-2-pyridinyl, OH-substituted Ph, optionally substituted by halo] and their physiol. acceptable salts and solvates, useful as .beta.2-adrenoreceptor stimulators (no data), were prepd. by 5 methods. A mixt. of .alpha.-(aminomethyl)-2-phenyl-4H-1,3-dioxino[5,4-b]pyridine-6-methanol and 7-(2-phenylethoxy)-2-heptene was hydrogenated over 5% Pt/C and 10% PdO/C to give .alpha.-[[[1-methyl-6-(2-phenylethoxy)hexyl]amino]methyl]-2-phenyl-4H-1,3-dioxino[5,4-b]pyridine-6-methanol which was hydrolyzed with N methanolic HCl and H2O in MeOH 6 h at 50.degree. to give 3-hydroxy-.alpha.6-[[[1-methyl-6-(2-phenylethoxy)hexyl]amino]methyl]-2,6-pyridinedimethanol-2HCl. Formulations for I in tablets, pressurized aerosol, and inhalation cartridges were given, e.g., I 2.0, microcryst. cellulose 196.5, and Mg stearate 1.5 mg per tablet.

ACCESSION NUMBER: 1988:55893 CAPLUS
DOCUMENT NUMBER: 108:55893
TITLE: Ethanolamine derivatives, their preparation, their use as .beta.2-adrenoreceptor stimulators, and pharmaceutical compositions containing them
INVENTOR(S): Finch, Harry; Lunts, Lawrence Henry Charles; Naylor, Alan; Skidmore, Ian Frederick; Campbell, Ian Baxter; Middlemiss, David; Willbe, Charles
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 220054	A2	19870429	EP 1986-307974	19861015
EP 220054	A3	19871202		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 62174041	A2	19870730	JP 1986-245148	19861015
US 4908386	A	19900313	US 1988-287441	19881220
CN 1048040	A	19901226	CN 1989-104065	19890615
PRIORITY APPLN. INFO.:			GB 1985-25478	19851016
			GB 1985-25479	19851016
			GB 1985-25480	19851016
			GB 1985-25481	19851016
			GB 1985-25485	19851016
			US 1986-919123	19861015

IT **111927-34-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for adrenoreceptor stimulant)
RN 111927-34-5 CAPLUS
CN Urea, [[5-[1-hydroxy-2-[[6-(4-phenylbutoxy)hexyl](phenylmethyl)amino]ethyl]-2-(phenylmethoxy)phenyl]methyl]- (9CI) (CA INDEX NAME)

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS (Continued)



L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB Title compds. [I, R = H; R1 = NO2, NH2, NH-acyl, CH2OH, CH2NH2, CH2NH-acyl; Q = CH2, CHOH, CO; R2 = H; n = 4-8), useful as bronchial dilators, were prepd. Thus, 4,3-HO(NO2)C6H3(CH2)2NH2 reacted with PhCH2Br in DMS and 2N NaOH at 85.degree. to give 4,3-(PhCH2O)(NO2)C6H3(CH2)2NH2 which condensed with PhCHO in PhMe to the Schiff base and was reduced by NaBH4 to 4,3-(PhCH2O)(NO2)C6H3(CH2)2NHCH2Ph which reacted with Br(CH2)6Br to give I (R = R2 = PhCH2, R1 = NO2, Q = CH2, n = 6), reduced by H2NNH2 to I (R = R2 = PhCH2, R1 = NH2, Q = CH2, n = 6), which was debenzylated by H in MeOH to give I (R = R2 = H, R1 = NH2, Q = CH2, n = 6).

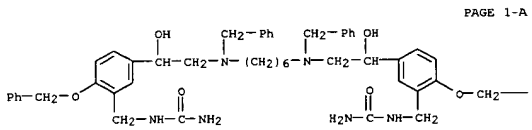
ACCESSION NUMBER: 1973:526069 CAPLUS
DOCUMENT NUMBER: 79:126069
TITLE: N,N'-Bis[2-(4-hydroxyphenyl)ethyl]polymethylenediamines
INVENTOR(S): Colella, Donald Francis; Kaiser, Carl
PATENT ASSIGNEE(S): Smith Kline and French Laboratories
SOURCE: Ger. Offen., 40 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2227022	A	19721214	DE 1972-2227022	19720602
DE 2227022	C2	19830113		
ZA 7203611	A	19730328	ZA 1972-3611	19720526
BE 784105	A1	19721129	BE 1972-118024	19720529
GB 1370066	A	19741009	GB 1972-25269	19720530
GB 1370068	A	19741009	GB 1974-14825	19720530
GB 1370067	A	19741009	GB 1974-14824	19720530
CA 1044699	A1	19781219	CA 1972-143419	19720530
AU 7242965	A1	19731206	AU 1972-42965	19720531
FR 2140149	A1	19730112	FR 1972-19677	19720601
JP 56014656	B4	19810406	JP 1972-55003	19720601
US 3933913	A	19760120	US 1972-287399	19720908
US 4024281	A	19770517	US 1975-623130	19751016
PRIORITY APPLN. INFO.:			US 1971-148912	19710601
			ZA 1972-3611	19720525
			SA 1972-3611	19720526
			US 1972-287399	19720908

IT **49640-07-5P 49840-46-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 49640-07-5 CAPLUS
CN Urea, N,N''-[1,6-hexanediylbis[[(phenylmethyl)imino](1-hydroxy-2,1-ethanediyl)[6-(phenylmethoxy)-3,1-phenylene]methylene]]bis- (9CI) (CA INDEX NAME)

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS (Continued)

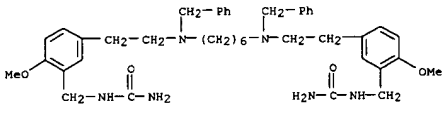
PAGE 1-A



PAGE 1-B

— Ph

RN 49840-46-2 CAPLUS
CN Urea, N,N''-[1,6-hexanediylbis[[(phenylmethyl)imino]-2,1-ethanediyl(6-methoxy-3,1-phenylene)methylene]]bis- (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB Me 5-(2-aminoethyl)salicylate-HCl in EtOH was treated with NaOH and BzH, and NaBH4 added to give Me 5-[2-(benzylamino)ethyl]salicylate (I)-HCl. I was reduced with LiAlH4 in THF to give, after addn. of HOAc, 5-[2-(benzylamino)ethyl]saligenin acetate. Among 16 examples of the title derivs. were [5-(2-aminoethyl)-2-hydroxyphenyl]urea-HCl, N-[5-(2-aminopropyl)salicyl]methanesulfonamide, and 5'-[2-[[3-(p-methoxyphenyl)-1-methylpropyl]amino]ethyl]-2'-hydroxyformanilide.

ACCESSION NUMBER: 1971:435408 CAPLUS
DOCUMENT NUMBER: 75:35408
TITLE: *Hypotensive phenethylamine derivatives*
INVENTOR(S): Jack, David; Hartley, David; Lunts, Lawrence H. C.
PATENT ASSIGNEE(S): Allen and Hanburys Ltd.
SOURCE: S. African, 31 pp.
CODEN: SFXXAB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 7003451	A	19710127	ZA 1970-3451	19700521
GB 1263987	A	19720216	GB 1969-27407	19690530
CA 960690	A1	19750107	CA 1970-83555	19700521
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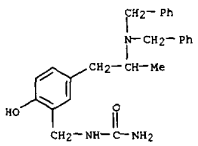
NL 7007861	A	19701202	NL 1970-7861	19700529
FR 2051566	A1	19710409	FR 1970-19818	19700529
FR 2051566	A5	19710409		
CH 536815	A	19730629	CH 1970-8021	19700529
DK 130921	B	19750505	DK 1970-2776	19700529
JP 53030701	B4	19780829	JP 1970-46846	19700530
US 3803230	A	19740409	US 1972-254808	19720518
JP 54007782	B4	19790410	JP 1978-9193	19780130

PRIORITY APPLN. INFO.: GB 1969-27407 19690530
US 1970-41053 19700527

IT **32550-86-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 32550-86-0 CAPLUS

CN Urea, [5-[2-(dibenzylamino)propyl]salicyl]- (8CI) (CA INDEX NAME)



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CA SUBSCRIBER PRICE                                        -1.86      -4.96

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STRUCTURE FILE UPDATES:   30 JUN 2002  HIGHEST RN 435268-39-6
DICTIONARY FILE UPDATES:  30 JUN 2002  HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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